

Please enter the following Supplemental Preliminary Amendment:

In the Claims:

1. (Original) A system for remotely monitoring an individual, the system comprising:  
a remote apparatus for interacting with the individual, the remote apparatus being in communication with a server system via a communication network;

the server system comprising:

a script generator for generating a script program from a set of queries and sending the script program to the remote apparatus, the script program being executable by the remote apparatus to communicate the set of queries to the individual, to receive responses to the set of queries, and to transmit the responses from the remote apparatus to the server over the communication network;

a database accessible by the script generator for storing the script program, the queries, the responses to the set of queries, and individual profiles; and  
an answering service; and

wherein the remote apparatus comprises:

a communication component for receiving the script program from the server and for transmitting the responses to the server;

a user interface comprising a microphone, speaker and a voice communication button; and

a processor connected to the communication component and the user interface for executing the script program to communicate the set of queries to the individual, to receive the responses to the set of queries from the user interface, and to transmit the responses to the server,

wherein when the voice communication button is activated, the answering service sends a series of questions as voice communication from a stored set of questions to the remote apparatus for the individual to respond to, stores responses to each provided question in the series of questions and provides a service based on the individual's response to the questions.

2. (Original) The system of Claim 1, wherein the provided service is communication with a health care professional.



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3. (Original) The system of Claim 1, wherein the provided service is communication with a service provider.

4. (Original) The system of Claim 1, wherein the answering service includes a speech recognition component for receiving spoken responses to the series of questions.

5. (Original) The system of Claim 1, wherein the answering service includes a speech synthesis component for making the set of queries into a series of questions.

6. (Original) A method for remotely monitoring an individual at a server system in communication with an apparatus of the individuals over a communication network, the method comprising:

generating at the server system a script program from a set of queries at the server system and sending the generated script program from the server system to the apparatus, wherein the script program is executable by the apparatus to communicate the set of queries to the individual, to receive responses to the set of queries, and to transmit the responses from the apparatus to the server over the communication network; and

storing the script program, the queries, responses to the set of queries and individual profiles in a database at the server system;

activating a voice communication button at a user interface of the apparatus;

sending a series of questions as voice communication from the stored set of queries to the apparatus from an answering service for the individual to respond to, according to activation of the voice communication button;

receiving and storing at the answering service responses to the sent series of questions; and

providing a service based on the responses to the questions.

7. (Original) The method of Claim 6, wherein the provided service is communication with a health care professional.

8. (Original) The method of Claim 6, wherein the provided service is communication with a service provider.

9. (Original) An apparatus, said apparatus comprising:



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a user interface component for interacting with an individual, said user interface component comprising:

a communication component for receiving a script program from a server and for transmitting responses to the script program to the server over a communications network, the script program comprises a set of queries;

a user interface; and

a processor connected to the communication component and the user interface for executing the script program to communicate the set of queries to the individual to receive the responses to the set of queries from the user interface and to transmit the responses to the server; and

an appliance component with appliance functionality.

10. (Original) The apparatus of Claim 9, wherein the appliance component is an alarm clock.

11. (Original) The apparatus of Claim 9, wherein the appliance component is a kitchen appliance.

12. (Original) The apparatus of Claim 9, wherein the appliance component is an entertainment device.

13. (Original) The apparatus of Claim 9, wherein the apparatus receives physiological data from a monitoring device coupled thereto.

14. (Original) The apparatus of Claim 9, wherein the apparatus further comprises a monitoring device for generating physiological data.

15. (Original) A medical monitoring device comprising:

a user interface component for interacting with an individual, said user interface component comprising:

a communication component for receiving a script program from a server and for transmitting responses to the script program to the server over a communications network, the script program comprises a set of queries;

a user interface; and

a processor connected to the communication component and the user interface for executing the script program to communicate the set of queries to the



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individual to receive the responses to the set of queries from the user interface and to transmit the responses to the server; and  
a monitoring component for generating measurements of a physiological condition of the individual,  
wherein said generated measurements are transmitted by the communication component to the server over the communications network.

16. (Original) The medical monitoring device of Claim 15, further comprises an appliance component with appliance functionality.

17. (Previously Added) A health monitoring system comprising:

a handheld unit including:

a microprocessor;

a display; and

one or more switches for controlling the operation of the handheld unit,

wherein the microprocessor includes instructions for instructing the display to present test results and text messages;

a sensor for producing electrical signals representative of a medical condition of a patient and transmitting the produced signals to the handheld unit for presentation on the display; and

a remotely located computing facility coupled to a database being in communication with the handheld unit over a communication link for receiving and sending data with the handheld unit,

wherein the computing facility includes program instructions for preparing graphical and alphanumeric reports from the received data for a health care professional.

18. (Previously Added) A health monitoring system comprising:

a handheld unit including:

a microprocessor;

a display; and

one or more switches for controlling the operation of the handheld unit,

wherein the microprocessor includes instructions for instructing the display to present test results and text messages;

a sensor capable for producing electrical signals representative of a medical condition of a patient, wherein the sensor plugs in the handheld unit; and



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memory coupled to the handheld unit for storing test results and program instructions for creating statistical analysis of test results for display on the display of the handheld unit.

19. (Previously Added) A health monitoring system comprising:

a microprocessor-based unit including:

a display;

a switch for controlling the operation of the unit;

memory for storing first program instructions for prompting a patient to enter data by using the switch to make a selection from a displayed menu of choices; and second program instructions for collection data from a sensor capable of producing electrical signals representative of medical condition of a patient; and

a remotely located computing facility for exchanging data with the unit over a communication link, the facility including program instructions for preparing graphical and alphanumeric reports from data received from the unit for at least one of a physician or other caregiver.

20. (Previously Added) A health management system comprising:

a database server in communication with a caregiver computer configured to specify at least one of program instructions or messages to be communicated to a remotely located patient;

a handheld unit operated by a patient, the handheld unit includes:

a microprocessor;

a display; and

one or more switches,

wherein the handheld unit is configured to exchange data with the database server, and the microprocessor includes program instructions for processing data received from the server, to display menu options for collecting data from a patient, and for transmitting collected data to the server

21. (New) A self-care health monitoring module for coupling with a microprocessor-based unit, comprising:



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- (a) a biological data monitor operating in conjunction with the microprocessor-based unit for sensing a biological quantity and producing a biological data signal representative of the biological quantity;
- (b) signal processing circuitry for receiving the biological data signal and outputting a digital signal; and
- (c) a plug-in signal interface for coupling the digital signal directly to the microprocessor of the micro-processor-based unit, the module being placed within a recess of the microprocessor-based unit.

22. (New) The health monitoring module of Claim 21, wherein the plug-in signal interface directly couples the digital signal to the microprocessor within the recess.

23. (New) A self-care health monitoring module for coupling with a microprocessor-based unit, comprising:

- (a) a biological data monitor operating in conjunction with the microprocessor-based unit to perform a biological data test sequence in which the biological data monitor senses a biological quantity and produces a biological data signal representative of the biological quantity;
- (b) signal processing circuitry for receiving the biological data signal and outputting a digital signal; and
- (c) a plug-in signal interface for coupling the digital signal directly to the microprocessor of the micro-processor-based unit.

24. (New) The health monitoring module of Claim 23, wherein the plug-in signal interface includes a cable connected between the microprocessor-based unit and the health monitoring module.

25. (New) The health monitoring module of Claim 23, wherein the plug-in signal interface directly couples the digital signal to the microprocessor within the recess.

26. (New) The health monitoring module of Claim 23, the module being placed within a recess of the microprocessor-based unit.

27. (New) A self-care health monitoring module for coupling with a microprocessor-based unit, comprising:



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- (a) a biological data monitor operating in conjunction with the microprocessor-based unit for sensing a biological quantity and producing a biological data signal representative of the biological quantity;
- (b) signal processing circuitry for receiving the biological data signal and outputting a digital signal; and
- (c) a plug-in signal interface for coupling the digital signal to the microprocessor of the micro-processor-based unit, the module being placed within a recess of the microprocessor-based unit.

28. (New) The health monitoring module of Claim 27, wherein the plug-in signal interface directly couples the digital signal to the microprocessor within the recess.

29. (New) The health monitoring module of any of Claims 21-28, wherein the biological quantity sensing includes measuring a blood glucose level.

30. (New) The health monitoring module of any of Claims 21-28, wherein the biological quantity sensing includes measuring an air flow.

31. (New) The health monitoring module of any of Claims 21-28, wherein the biological quantity sensing includes measuring a quantity selected from the group consisting of blood pressure, pulse and body temperature.

32. (New) The health monitoring module of any of Claims 21-28, wherein the microprocessor-based unit comprises a hand-held processing unit.

33. (New) The health monitoring module of Claim 32, wherein the hand-held unit comprises a compact video game console.

34. (New) The health monitoring module of Claim 33, wherein the compact video game console comprises a GAME BOY® unit.

35. (New) The health monitoring module of any of Claims 21-28, wherein the hand-held unit comprises a palm-top computer.

36. (New) A method of operating a microprocessor-based unit for manipulating/analyzing glucose data in handling a diabetic condition, comprising the step of signal-coupling a glucose



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monitor to a microprocessor-based unit by plugging the glucose monitor into a recess in the microprocessor-based unit.

37. (New) The method of Claim 36, further comprising the step of communicating a first command to the microprocessor-based unit for initiating a transmission of glucose data from the glucose monitor to the microprocessor-based unit.

38. (New) The method of Claim 37, further comprising the step of communicating a second command to the microprocessor-based unit for displaying information on a display of the microprocessor-based unit relating to the diabetic condition based on the glucose data transmitted from the glucose monitor.

*Page 1.126* <sup>39</sup>~~40~~. (New) The method of Claim 37, further comprising the step of communicating a second command to the microprocessor-based unit for interactively manipulating the glucose data on a display.

*C* <sup>41</sup>~~42~~. (New) The method of Claim 36, further comprising the step of communicating a command to the microprocessor-based unit for displaying information on a display of the microprocessor-based unit relating to the diabetic condition based on the glucose data transmitted from the glucose monitor.

<sup>41</sup>. (New) The method of Claim 36, further comprising the step of communicating a first command to the microprocessor-based unit for establishing a link between the microprocessor-based unit and a personal computer.

<sup>42</sup>. (New) The method of Claim 41, further comprising the step of communicating a second command for initiating a transmission of data from the personal computer to the microprocessor-based device.

<sup>43</sup>. (New) The method of Claim 36, further comprising the step of communicating a first command to the microprocessor-based unit for establishing a link between the microprocessor-based unit and a remote server.

<sup>44</sup>. (New) The method of Claim 43, further comprising the step of communicating a second command for initiating a transmission of data from the remote server to the microprocessor-based device.



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45. (New) The method of Claim 44, wherein the data transmitted from the remote server to the microprocessor-based device was transmitted to the remote server from another remote processing device linked to the server.

46. (New) The method of Claim 43, further comprising the step of communicating a second command for initiating a transmission of data from the microprocessor-based device to the remote server.

47. (New) The method of Claim 46, further comprising the step of communicating a first command to the microprocessor-based unit for interactively manipulating the glucose data on a display.

48. (New) A method of operating a microprocessor-based unit which is signal connectable with a glucose monitor for processing glucose data in handling a diabetic condition, comprising the step of:

- (a) direct signal connecting a glucose monitor to a microprocessor-based unit;
- (b) measuring a blood glucose level with the blood glucose monitor; and
- (c) directly transmitting a blood glucose signal corresponding to the blood glucose level from the glucose monitor to the microprocessor-based unit.

49. (New) The method of Claim 48, further comprising the step of communicating a first command to the microprocessor-based unit for establishing a link between the microprocessor-based unit and a remote server which is configured into a network for being connectable with multiple processing devices.

50. (New) The method of Claim 49, further comprising the step of communicating a second command for initiating a transmission of data relating to the diabetic condition from the remote server to the microprocessor-based device.

51. (New) The method of Claim 50, wherein the data transmitted from the remote server to the microprocessor-based device was transmitted to the remote server from another remote processing device linked to the server.

52. (New) The method of Claim 49, further comprising the step of communicating a second command for initiating a transmission of data relating to the diabetic condition from the microprocessor-based device to the remote server.



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53. (New) The method of Claim 49, further comprising the step of communicating a second command to the microprocessor-based unit for interactively manipulating the glucose data on a display.

54. (New) The method of Claim 49, further comprising the step of communicating a second command to the microprocessor-based unit for displaying information on a display of the microprocessor-based unit relating to the diabetic condition based on the glucose data transmitted from the glucose monitor.

55. (New) The method of Claim 49, further comprising the step of communicating a second command to the microprocessor-based unit for establishing a link between the microprocessor-based unit and a personal computer.

56. (New) The method of Claim 55, further comprising the step of communicating a third command for initiating a transmission of data relating to the diabetic condition from the personal computer to the microprocessor-based unit.

57. (New) The method of Claim 49, further comprising the step of communicating a second command to the microprocessor-based unit for initiating a transmission of glucose data from the glucose monitor to the microprocessor-based unit.

58. (New) A method of operating a microprocessor-based unit which is connectable with a glucose monitor for processing glucose data in handling a diabetic condition, comprising the step of:

- (a) direct signal connecting the glucose monitor to the microprocessor-based unit by connecting a cable between the glucose monitor and the microprocessor-based unit;
- (b) measuring a blood glucose level; and
- (c) directly transmitting a blood glucose signal corresponding to the blood glucose level from the glucose monitor to the microprocessor-based unit.

59. (New) The method of Claim 58, further comprising the steps of:

- (d) communicating a first command to the microprocessor-based unit for establishing a link between the microprocessor-based unit and a personal computer; and



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(e) communicating a second command for initiating a transmission of data relating to the diabetic condition from the personal computer to the microprocessor-based device.

60. (New) The method of Claim 59, further comprising the step of communicating a third command to the microprocessor-based device for initiating a transmission of glucose data from the glucose monitor to the microprocessor-based unit.

61. (New) The method of Claim 59, further comprising the step of communicating a third command to the microprocessor-based unit for interactively manipulating the glucose data on a display.

62. (New) The method of Claim 59, further comprising the step of communicating a third command to the microprocessor-based unit for displaying information on a display of the microprocessor-based unit relating to the diabetic condition based on the glucose data transmitted from the glucose monitor.

63. (New) A method of operating a microprocessor-based unit for manipulating/analyzing glucose data in handling a diabetic condition, comprising the steps of:

- (a) direct signal-coupling a glucose monitor to a microprocessor-based unit by plugging the glucose monitor into a recess in the microprocessor-based unit;
- (b) measuring a blood glucose level with the glucose monitor; and
- (c) directly transmitting a glucose signal corresponding to the measured glucose level from the glucose monitor to the microprocessor-based unit.

64. (New) The method of Claim 63, further comprising the steps of:

- (d) communicating a first command to the microprocessor-based unit for establishing a link between the microprocessor-based unit and a personal computer; and
- (e) communicating a second command for initiating a transmission of data relating to the diabetic condition from the personal computer to the microprocessor-based device.

65. (New) The method of Claim 64, further comprising the step of communicating a third command to the microprocessor-based device for initiating a transmission of glucose data from the glucose monitor to the microprocessor-based unit.



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66. (New) The method of Claim 64, further comprising the step of communicating a third command to the microprocessor-based unit for interactively manipulating the glucose data on a display.

67. (New) The method of Claim 64, further comprising the step of communicating a third command to the microprocessor-based unit for displaying information on a display of the microprocessor-based unit relating to the diabetic condition based on the glucose data transmitted from the glucose monitor.

68. (New) A blood glucose monitoring system comprising:

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- a. a blood glucose monitor for receiving a test strip including a reagent impregnated portion having blood applied thereto, the blood glucose monitor for monitoring a blood glucose level and for producing digitally encoded blood glucose level signals representative of said blood glucose level;
  - b. a programmable microprocessor-based interactive handheld unit including:
    - 1) a video display for displaying information;
    - 2) a plurality of switches operable for interactively controlling said microprocessor-based interactive handheld unit and for manipulating said information displayed on said video display; and
    - 3) circuit means coupled to said plurality of switches for generating video signals in response to said operation of said switches;
  - c. a digital data storage medium, the medium
    - A. readable by said programmable micro-processor based unit; and
    - B. tangibly embodying therein a program of instructions executable by said programmable microprocessor-based interactive handheld unit, said program of instructions including instructions for displaying information on said video display in an interactive manner in response to said video signals generated by said circuit means and based upon said digitally encoded health signals and further for monitoring whether a sufficient amount of blood has been applied to said reagent impregnated portion of the test strip;
  - d. a signal interface connected in signal communication with said programmable microprocessor-based interactive handheld unit and said blood glucose monitor for coupling said digitally encoded health signals supplied by said blood glucose



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monitor to said programmable microprocessor-based interactive handheld unit;  
and

- e. signal processing means connected in signal communication with said signal interface for performing signal processing functions in accordance with said program of instructions.

69. (New) The system of Claim 68, wherein said microprocessor-based interactive handheld unit is a palm-top computer.

70. (New) The system of Claim 68, the program of instructions further including instructions for monitoring whether said test strip is properly inserted into the monitor.

71. (New) A blood glucose monitoring system comprising:

- a. a blood glucose monitor for receiving a test strip including a reagent impregnated portion having blood applied thereto, the blood glucose monitor for monitoring a blood glucose level and for producing digitally encoded blood glucose level signals representative of said blood glucose level;
- b. a programmable microprocessor-based interactive handheld unit including:
  - 1) a video display for displaying information;
  - 2) a plurality of switches operable for interactively controlling said microprocessor-based interactive handheld unit and for manipulating said information displayed on said video display; and
  - 3) circuit means coupled to said plurality of switches for generating video signals in response to said operation of said switches;
- c. a digital data storage medium, the medium
  - A. readable by said programmable micro-processor based unit; and
  - B. tangibly embodying therein a program of instructions executable by said programmable microprocessor-based interactive handheld unit, said program of instructions including instructions for displaying information on said video display in an interactive manner in response to said video signals generated by said circuit means and based upon said digitally encoded health signals and further for monitoring whether said test strip is properly inserted into the monitor;
- d. a signal interface connected in signal communication with said programmable microprocessor-based interactive handheld unit and said blood glucose monitor



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for coupling said digitally encoded health signals supplied by said blood glucose monitor to said programmable microprocessor-based interactive handheld unit; and

- e. signal processing means connected in signal communication with said signal interface for performing signal processing functions in accordance with said program of instructions.

72. (New) The system of Claim 71, wherein said microprocessor-based interactive handheld unit is a palm-top computer.

73. (New) A blood glucose monitoring system comprising:

- a. a blood glucose monitor for receiving a test strip including a reagent impregnated portion having blood applied thereto, the blood glucose monitor for monitoring a blood glucose level and for producing digitally encoded blood glucose level signals representative of said blood glucose level;
- b. a programmable microprocessor-based interactive handheld unit including:
  - 1) a video display for displaying information;
  - 2) a plurality of switches operable for interactively controlling said microprocessor-based interactive handheld unit and for manipulating said information displayed on said video display; and
  - 3) circuit means coupled to said plurality of switches for generating video signals in response to said operation of said switches;
- c. a digital data storage medium, the medium
  - A. readable by said programmable micro-processor based unit; and
  - B. tangibly embodying therein a program of instructions executable by said programmable microprocessor-based interactive handheld unit, said program of instructions including instructions for displaying information on said video display in an interactive manner in response to said video signals generated by said circuit means and based upon said digitally encoded health signals;
- d. a signal interface connected in signal communication with said programmable microprocessor-based interactive handheld unit and said blood glucose monitor



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for coupling said digitally encoded health signals supplied by said blood glucose monitor to said programmable microprocessor-based interactive handheld unit; and

- e. signal processing means connected in signal communication with said signal interface for performing signal processing functions in accordance with said program of instructions.

74. (New) The system of Claim 73, wherein said microprocessor-based interactive handheld unit is a palm-top computer.

75. (New) A blood glucose monitoring system comprising:

- a. a blood glucose monitor for receiving a test strip including a reagent impregnated portion having blood applied thereto, the blood glucose monitor for monitoring a blood glucose level and for producing digitally encoded blood glucose level signals representative of said blood glucose level;
- b. a programmable microprocessor-based interactive handheld unit including:
  - 1) a video display for displaying information;
  - 2) a plurality of switches operable for interactively controlling said microprocessor-based interactive handheld unit and for manipulating said information displayed on said video display; and
  - 3) circuit means coupled to said plurality of switches for generating video signals in response to said operation of said switches;
- c. a digital data storage medium, the medium
  - A. readable by said programmable micro-processor based unit; and
  - B. tangibly embodying therein a program of instructions executable by said programmable microprocessor-based interactive handheld unit, said program of instructions including instructions for displaying information on said video display in an interactive manner in response to said video signals generated by said circuit means and based upon said digitally encoded health signals and further for performing a test sequence to confirm that the system is operating properly;
- d. a signal interface connected in signal communication with said programmable microprocessor-based interactive handheld unit and said blood glucose monitor for coupling said digitally encoded health signals supplied by said blood glucose



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monitor to said programmable microprocessor-based interactive handheld unit;  
and

- e. signal processing means connected in signal communication with said signal interface for performing signal processing functions in accordance with said program of instructions.

76. (New) The system of Claim 75, wherein said microprocessor-based interactive handheld unit is a palm-top computer.

77. (New) The system of Claim 75, the program of instructions including instructions for monitoring whether said test strip is properly inserted into the monitor.

78. (New) The system of Claim 75, the program of instructions including instructions for monitoring whether a sufficient amount of blood has been applied to said reagent impregnated portion of the test strip.



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